

Amendments to the Claims:

This listing of claims will replace all prior versions, listings, of claims in the application:

Listing of Claims:

1. (currently amended) A foamable alcohol composition, comprising:
 - a) a C₁₋₄ alcohol, or mixtures thereof, present in an amount greater than about 40% v/v of the total composition;
 - b) at least one an effective physiologically acceptable silicone-based surface active agent, which includes a lipophilic chain containing a silicone backbone, for foaming present in an amount of at least 0.01% by weight of the total composition; and
 - c) water present in an amount to balance the total composition to 100% by weight,
said foamable alcohol composition optionally including no more than 1% by weight of at least one additional surfactant,
wherein the composition is foamable when mixed with air at low pressure.
- 2 to 3. (cancelled)
4. (currently amended) The composition according to claim 1, wherein the effective silicone-based surface active agent is a physiologically acceptable silicone-based surface active agent selected from the group consisting of Bis-PEG-[10-20] dimethicones, (3-(3-Hydroxypropyl)-heptamethyltrisiloxane[[,]] ethoxylated[[,]] acetate), polyether-modified polysiloxanes, polysiloxane betaine and mixtures thereof from about 0.01% to about 10.0% by weight of the total composition.
5. (cancelled)

6. (previously presented) The composition according to claim 1, wherein the silicone-based surface active agent is selected from the group consisting of Bis-PEG-12 dimethicone, Bis-PEG-17 Dimethicone, Bis-PEG-20 Dimethicone and combinations thereof.

7. (cancelled)

8. (previously presented) The composition according to claim 1, wherein the silicone-based surfactant is a polyether-modified polysiloxane.

9. (withdrawn) The composition according to claim 1, wherein the silicone-based surfactant is a polysiloxane betaine.

10. (previously presented) The composition according to claim 1, wherein the silicone-based surfactant is a mixture of two or more of the silicone-based surfactants selected from the group consisting of Bis-PEG-12 dimethicone, Bis-PEG-17 Dimethicone, Bis-PEG-20 Dimethicone, 3-(3-Hydroxypropyl)-heptamethyltrisiloxane, polyether-modified polysiloxane and polysiloxane betaine.

11. (cancelled)

12. (previously presented) The composition according to claim 1, wherein the alcohol is ethanol present in an amount of at least 60% v/v.

13. (previously presented) The composition according to claim 1, wherein the alcohol is a mixture of n-propanol and ethanol present in a combined amount of at least 60% v/v.

14. (previously presented) The composition according to claim 1, wherein the alcohol is a mixture of isopropanol and ethanol present in a combined amount of at least 60% v/v.

15 to 16. (cancelled)

17. (previously presented) The composition according to claim 1, further including at least one additional surfactant for adjusting properties of the foam produced from the composition.

18. (currently amended) The composition according to claim 17 wherein the additional surfactant is selected from the group consisting of ~~additional silicone-based surface-active agents, fluorinated surfactants, alkylglucosides, poly(ethoxylated and/or propoxylated)alcohol, a poly(ethoxylated and/or propoxylated)ester, a derivative of a poly(ethoxylated and/or propoxylated)alcohol, a derivative of a poly(ethoxylated and/or propoxylated)ester,~~ an alkyl alcohol, an alkenyl alcohol, an ester of a polyhydric alcohol, an ether of a polyhydric alcohol, an ester of a polyalkoxylated ~~derivative of a polyhydric alcohol, an ether of a polyalkoxylated derivative of a polyhydric alcohol,~~ a sorbitan fatty acid ester, a polyalkoxylated ~~derivative of a sorbitan fatty acid ester,~~ a betaine, a sulfobetaine, an imidazoline ~~derivative,~~ an amino acid derivative, a lecithin, a phosphatide, an amine oxide, a sulfoxide and mixtures thereof, present in an amount between about 0.10 % to about 5% by weight of the total composition.

19. (cancelled)

20. (previously presented) The composition according to claim 18 wherein the alkylglucoside is cocoglucoside.

21 to 26. (cancelled)

27. (currently amended) The composition according to claim 1 further including a foam stabilizing agent present in an amount up to about 10% by weight.

28. (previously presented) The composition according to claim 27 wherein the foam stabilizing agent is selected from the group consisting of lactic acid esters of

monoglycerides, cationic emulsifiers, quaternary ammonium compounds, triquaternized stearic phospholipid complex, hydroxystearamide propyltriamine salts, lactic acid monoglycerides, food emulsifiers selected from the group consisting of glyceryl monostearate, propylene glycol monostearate, sodium stearyl lactylate, cetyl betaine, glycoether, n-propanol, butyleneglycol, silicone wax, an encapsulated oil, Microcapsule Mineral Oil, and combinations thereof.

29. (previously presented) The composition according to claim 27 wherein the foam stabilizing agent is selected from the group consisting of glycoether, glycerine, butyleneglycol, Behentrimonium chloride, Cetrimonium Chloride, and combinations thereof.

30. (currently amended) The composition according to claim 1 further including one or more moisturizers, emollients, lipid layer enhancers or combinations thereof selected from the group consisting of

- lanolin,
- vinyl alcohol,
- polyvinyl pyrrolidone,
- polyols selected from the group consisting of glycerol, propylene glycol, butyleneglycol, glyceryl oleate and sorbitol,
- cocoglucoside,
- a fatty alcohol selected from the group consisting of cetyl alcohol, stearyl alcohol, lauryl alcohol, myristyl alcohol and palmityl alcohol,
- ceteareth 20,
- an alkylglucoside,
- mixtures of alkylglucoside and glyceryl Oleate,
- PEG-200 Hydrogenated Glyceryl Palmate,
- Dihydroxypropyl PEG-5 Linoleammonium Chloride,
- PEG-7 Glyceryl Cocoate,

and combinations thereof, present in an amount up to about 5% by weight.

31 to 32. (cancelled)

33. (currently amended) The composition according to claim 1 further including a preservative in an amount from about 0.01 to about 5 % by weight of the total composition.

34 to 39. (cancelled)

40. (previously presented) The composition according to claim 1 further comprising constituents selected from the group consisting of organic gums and colloids, lower alkanolamides of higher fatty acids, short chain diols and/or triols, fragrance, coloring matter, ultraviolet absorbers, solvents, suspending agents, buffers, conditioning agents, antioxidants, bactericides and medicinally active ingredients, and combinations thereof.

41. (previously presented) The composition according to claim 1 stored in an unpressurized dispenser having a dispenser pump for mixing the composition with air and dispensing foam therefrom.

42 to 51. (cancelled)

52. (currently amended) An alcohol disinfecting composition, comprising;

a) an alcohol C₁₋₄, or mixtures thereof, present in an amount between about 60% to about 80% v/v of the total composition;

b) at least one an effective physiologically acceptable silicone-based surface active agent, which includes a lipophilic chain containing a silicone backbone, for foaming present in an amount from about 0.01% to about 10.0% by weight of the total composition;

c) a foam stabilizing agent present in an amount from about 0.01 to about 12.0 % by weight of the total composition;

d) one or more moisturizers, emollients, lipid layer enhancers, or combinations thereof present in an amount from about 0.05 to about 5.0 % by weight of the total composition; and

e) water in an amount to balance the total composition to 100% by weight, said foamable alcohol composition optionally including no more than 1% by weight of at least one additional surfactant for adjusting properties of the foam produced from the composition,

wherein the composition is foamable when mixed with air at low pressure.

53 to 54. (cancelled)

55. (withdrawn) The alcohol disinfecting composition according to claim 52 wherein the silicone-based surfactant is Bis-PEG-20 dimethicone.

56. (withdrawn) The alcohol disinfecting composition according to claim 52 wherein the silicone-based surfactant is Bis-PEG-17 dimethicone.

57. (previously presented) The alcohol disinfecting composition according to claim 52 wherein the silicone-based surfactant is Bis-PEG-12 dimethicone.

58. (cancelled)

59. (previously presented) The alcohol disinfecting composition according to claim 52 wherein the silicone-based surfactant is a Polyether-modified polysiloxane.

60. (withdrawn) The alcohol disinfecting composition according to claim 52 wherein the silicone-based surfactant is a Polysiloxane betaine.

61. (currently amended) The composition according to claim 52 wherein the silicone-based surfactant is a mixture of two or more of the silicone-based surfactants selected from the group consisting of Bis-PEG-20 dimethicone, Bis-PEG-17 dimethicone, Bis-

PEG-12 dimethicone, (3-(3-Hydroxypropyl)-heptamethyltrisiloxane[[.]] ethoxylated[[.]] acetate), Polyether-modified polysiloxane and Polysiloxane betaine.

62. (previously presented) The alcohol disinfecting composition according to claim 52 wherein the foam stabilizing agent is selected from the group consisting of lactic acid esters of monoglycerides, cationic emulsifiers, quaternary ammonium compounds, triquaternized stearic phospholipid complex, hydroxystearamide propyltriamine salts, lactic acid monoglycerides, food emulsifiers selected from the group consisting of glyceryl monostearate, propylene glycol monostearate, sodium stearyl lactylate, silicone wax, quaternary ammonium chlorides an encapsulated oil, Microcapsule Mineral Oil, butyleneglycol, and mixtures thereof.

63. (previously presented) The alcohol disinfecting composition according to claim 52 wherein the foam stabilizing agent is selected from the group consisting of 2-butoxyethanol, glycerine butyleneglycol, Cetrimonium chloride, Behentrimonium chloride, and combinations thereof.

64. (currently amended) The alcohol disinfecting composition according to claim 52 including any one of a moisturizer, emollient and combinations thereof selected from the group consisting of

lanolin,

vinyl alcohol,

polyvinyl pyrrolidone,

polyols selected from the group consisting of glycerol, propylene glycol,

butyleneglycol and sorbitol,

a fatty alcohol selected from the group consisting of cetyl alcohol, stearyl alcohol,

lauryl alcohol, myristyl alcohol and palmityl alcohol,

ceteareth 20,

an alkylglucoside,

and combinations thereof, present in an amount up to 5% by weight of the total composition.

65. (currently amended) The alcohol disinfecting composition according to claim 52 including a moisturizer and an emollient selected from the group consisting of glyceryl oleate, glycerine, cocoglucoside, or PEG-200 Hydrogenated Glyceryl Palmate, or Dihydroxypropyl PEG-5 Linoleammonium Chloride, PEG-7 Glyceryl Cocoate, and combinations thereof, present in an amount up to 5% by weight of the total composition.

66 to 71. (cancelled)

72. (currently amended) The alcohol disinfecting composition according to claim 52 further including a preservative in an amount from about 0.01 to about 5 % by weight of the total composition.

73. (cancelled)

74. (previously presented) The alcohol disinfecting composition according to claim 52 further comprising an acid or a base to adjust a pH of the disinfecting composition to a pre-selected pH present in an amount from about 0.05 to about 0.5 % by weight of the total composition.

75. (original) The alcohol disinfecting composition according to claim 74 wherein the acid is selected from the group consisting of hydrochloric acid, citric acid and phosphoric acid, and the base is sodium sesquicarbonate.

76. (previously presented) The alcohol disinfecting composition according to claim 52 stored in an unpressurized dispenser having a dispenser pump for mixing the disinfecting composition with air and dispensing foam therefrom.

77 to 79. (cancelled)

80. (currently amended) The alcohol disinfecting composition according to claim 52 including one or more moisturizers, emollients, lipid layer enhancers, or combinations thereof selected from the group consisting of

lanolin,

vinyl alcohol,

polyvinyl pyrrolidone,

polyols selected from the group consisting of glycerol, propylene glycol, butyleneglycol and sorbitol,

a fatty alcohol selected from the group consisting of cetyl alcohol, stearyl alcohol, lauryl alcohol, myristyl alcohol and palmityl alcohol,

ceteareth 20,

an alkylglucoside,

mixtures of alkylglucoside and glyceryl oleate,

PEG-200 Hydrogenated Glyceryl Palmate,

Dihydroxypropyl PEG-5 Linoleammonium Chloride, PEG-7 Glyceryl Cocoate, and combinations thereof, present in an amount up to 5% by weight of the total composition.

81. (currently amended) The alcohol disinfecting composition according to claim 52 further comprising other constituents or materials including organic gums and colloids, lower alkanolamides of higher fatty acids, short chain diols and/or triols, fragrance, coloring matter, additional emollients, ultraviolet absorbers, solvents, emulsifiers, foam stabilizers or mixture of such stabilizers, suspending agents, buffers, conditioning agents, antioxidants, bactericides, or medicinal active ingredients[.].

82 to 86. (cancelled)

87. (previously presented) A method of forming a foam using a composition according to claim 1, by storing said composition in a container and having a dispenser pump activating the dispenser pump to mix the alcohol and silicone-based surface

active agent mixture with air under low pressure to form a low pressure foam containing alcohol which is dispensed from said dispenser.

88. (cancelled)

89. (previously presented) A method of forming a foam using a composition according to claim 52, by storing said composition in a container and having a dispenser pump activating the dispenser pump to mix the alcohol and silicone-based surface active agent mixture with air under low pressure to form a low pressure foam containing alcohol which is dispensed from said dispenser.

90. (previously presented) The composition according to claim 52 wherein the silicone-based surfactant is a Bis-PEG-[10-20] dimethicone.

91. (previously presented) The composition according to claim 90 wherein the foam stabilizing agent is selected from the group consisting of cationic emulsifiers and quaternary ammonium compounds.

92. (previously presented) The composition according to claim 90 wherein the foam stabilizing agent is selected from the group consisting of 2-butoxyethanol, glycerine, butyleneglycol, Cetrimonium chloride, and Behentrimonium chloride.

93. (previously presented) The composition according to claim 52 wherein the foam stabilizing agent is Behentrimonium chloride.

94. (previously presented) The composition according to claim 90 further comprising cocoglucoside and glyceryl oleate.

95. (previously presented) The composition according to claim 93 further comprising PEG-200 Hydrogenated Glyceryl Palmate, PEG-7 Glyceryl Cocoate, and

Dihydroxypropyl PEG-5 Linoleammonium Chloride.

96. (previously presented) The composition according to claim 94 further comprising n-propanol.

97. (currently amended) A foamable alcohol composition comprising:

a) a C₁₋₄ alcohol, or a mixture thereof, present in an amount greater than about 40% v/v of the total composition;

b) Bis-PEG-[10-20] dimethicone, present in an amount of at least 0.01% by weight of the total composition; and

c) water present in an amount to balance the total composition to 100% by weight.

said foamable alcohol composition optionally including no more than 1% by weight of at least one additional surfactant for adjusting properties of the foam produced from the composition,

wherein the composition is foamable when mixed with air at low pressure.

98. (previously presented) An unpressurized dispenser having a dispenser pump for mixing a composition with air and dispensing foam, the dispenser storing a foamable composition comprising:

a) a C₁₋₄ alcohol, or a mixture thereof, present in an amount greater than about 40% v/v of the total composition;

b) a silicone-based surface active agent, present in an amount of at least 0.01% by weight of the total composition; and

c) water present in an amount to balance the total composition to 100% by weight.